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TITLE: DHCP OPERATION SYSTEM AND METHOD, AND DHCP SERVER

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ABSTRACT:

PROBLEM TO BE SOLVED: To provide a DHCP operation system in which network parameters can be assigned dynamically only to a client used by an authorized user.

SOLUTION: A digital signature created by a user private key 300 stored in an IC card 3 is added to the protocol message of DHCP transmitted to a DHCP server 1 from a client 2. The DHCP server 1 verifies the digital signature added to the protocol message using a user public key 310 acquired from the client 2 thus confirming that the client 2 is used by an authorized user. The DHCP server 1 assigns network parameters dynamically only to a client used by an authorized user.

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